

In the Claims

1-20 (Canceled).

21 (Currently Amended): A method for preparing a gamma delta ($\gamma\delta$) T lymphocyte composition comprising culturing, from 10 to 25 days, a biological preparation comprising a blood sample or a cytapheresis sample comprising at least 50 million mononuclear cells in the presence of a synthetic activator compound of gamma delta T lymphocytes selected from phosphohalohydrins, phosphoepoxides, pyrophosphates, or bisphosphonates and a cytokine selected from IL-2 at a concentration between about 150 U/ml and about 500 U/ml or IL-15 and maintaining the cells at a density less than about 5×10^6 cells/ml during said culturing step, wherein said method produces a composition of gamma delta T lymphocytes having the following characteristics:

said composition comprises more than 80 % gamma delta T cells, and

said composition comprises more than 100 million viable and functional gamma delta T cells.

22 (Canceled).

23 (Currently Amended): The method according to claim ~~22~~ 21, wherein the biological preparation is from a cytapheresis.

24 (Previously Presented): The method according to claim 21, wherein the biological preparation comprises more than 10×10^7 cells.

25 (Previously Presented): The method according to claim 21, wherein the biological preparation has previously been frozen.

26-28 (Canceled).

29 (Previously Presented): The method according to claim 21, wherein the synthetic activator compound of gamma delta T lymphocytes is a ligand of the T cell receptor of said gamma delta T lymphocytes.

30 (Previously Presented): The method according to claim 29, wherein the synthetic activator compound of said gamma delta T lymphocytes is selected from the group consisting of phosphohalohydrin compounds, phosphoepoxide compounds and bisphosphonate compounds.

31 (Previously Presented): The method according to claim 30, wherein the synthetic activator compound of said gamma delta T lymphocytes is selected in the group consisting of the following compounds:

3-(bromomethyl)-3-butanol-1-yl-diphosphate (BrHPP);
3-(iodomethyl)-3-butanol-1-yl-diphosphate (IHPP);
3-(chloromethyl)-3-butanol-1-yl-diphosphate (ClHPP);
3-(bromomethyl)-3-butanol-1-yl-triphosphate (BrHPPP);
3-(iodomethyl)-3-butanol-1-yl-triphosphate (IHPPP);
 α,γ -di-[3-(bromomethyl)-3-butanol-1-yl]-triphosphate (diBrHTP);
 α,γ -di-[3-(iodomethyl)-3-butanol-1-yl]-triphosphate (diIHTP);
3,4,-epoxy-3-methyl-1-butyl-diphosphate (EpoX-PP);
3,4,-epoxy-3-methyl-1-butyl-triphosphate (EpoX-PPP); and
 α,γ -di-3,4,-epoxy-3-methyl-1-butyl-triphosphate (di-EpoX-TP).

32-52 (canceled).